

Title (en)

Method for controlling the overheat protection for a heater

Title (de)

Verfahren zum Steuern eines Überhitzungsschutzes für ein Heizgerät

Title (fr)

Procédé de commande de la protection de surchauffe pour un appareil de chauffage

Publication

EP 0892215 A3 20000712 (DE)

Application

EP 98113362 A 19980717

Priority

- DE 19730824 A 19970718
- DE 19735634 A 19970818

Abstract (en)

[origin: EP0892215A2] The method uses at least one overheating sensor (12). The output signal from the sensor is led to a control unit (13). The control unit, corresponding to an instantaneous experienced heating power of the heater, carries out a comparison with a typical switching threshold for this heating power. Several switching thresholds are stored in a storage of the control unit, and on the basis of at least one of the parameters typical for the respective heating power, are computed by the control unit. The switching thresholds are defined on the basis of two different specified value pairs, temperature or temperature difference or temperature gradient/heating power, by establishing a graph connecting these value pairs.

IPC 1-7

F23N 5/24; **B60H 1/22**

IPC 8 full level

B60H 1/22 (2006.01); **F23N 5/24** (2006.01)

CPC (source: EP)

B60H 1/2206 (2013.01); **F23N 5/242** (2013.01); **B60H 2001/224** (2013.01); **B60H 2001/2256** (2013.01); **F23N 2241/14** (2020.01)

Citation (search report)

- [A] WO 8605861 A1 19861009 - KOMANOVICS ISTVAN
- [A] EP 0548655 A1 19930630 - VAILLANT JOH GMBH & CO [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 475 (E - 1601) 5 September 1994 (1994-09-05)

Cited by

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